

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: FOND DU LAC WTRRF
Contact Address: 700 Doty St
Fond du Lac, WI 54935
Facility Contact: Cody Schoepke, Wastewater Superintendent
Phone Number: 920-251-9859
Reporting Period: 12/01/2024 - 12/31/2024
Form Due Date: 01/21/2025
Permit Number: 0023990

Date Received:	
DOC:	558904
FIN:	7290
FID:	420004860
Region:	Northeast Region
Permit Drafter:	Sarah J Adkins
Reviewer:	Mark F Stanek
Office:	Oshkosh

Sample Point(s) active?

Yes - 703 sample point (Influent)
Yes - 003 sample point (Effluent)
Yes - 199 sample point (In-Plant Blending)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: FOND DU LAC WTRRF

Contact Address: 700 Doty St

Fond du Lac, WI 54935

Facility Contact: Cody Schoepke, Wastewater Superintendent

Phone Number: 920-251-9859

Reporting Period: 12/01/2024 - 12/31/2024

Form Due Date: 01/21/2025

Permit Number: 0023990

Date Received:

DOC: 558904

FIN: 7290

FID: 420004860

Region: Northeast Region

Permit Drafter: Sarah J Adkins

Reviewer: Mark F Stanek

Office: Oshkosh

	Sample Point	703	703	703	703	703
	Description	Influent	Influent	Influent	Influent	Influent
	Parameter	211	66	457	87	133
	Description	Flow Rate	BOD5, Total	Suspended Solids, Total	Cadmium, Total Recoverable	Chromium, Total Recoverable
	Units	MGD	mg/L	mg/L	ug/L	ug/L
	Sample Type	CONTINUOUS	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	DAILY	MONTHLY	MONTHLY
Sample Results	Day 1	6.661	265	192	<0.3	2.8
	2	6.166	430	272		
	3	6.000	394	258		
	4	5.602	387	268		
	5	5.652	385	276		
	6	5.439	374	196		
	7	5.377	630	292		
	8	5.433	321	232		
	9	5.637	383	334		
	10	5.423	496	294		
	11	5.131	449	340		
	12	5.087	475	292		
	13	5.073	416	300		
	14	4.935	346	244		
	15	5.264	329	244		
	16	5.313	375	268		
	17	5.597	378	296		
	18	5.637	463	296		
	19	5.546	398	372		
	20	5.576	454	520		
	21	5.296	335	260		
	22	5.343	461	160		
	23	5.195	430	160		
	24	4.929	435	272		
	25	4.255	536	250		
	26	5.644	561	332		
	27	9.150	363	292		
	28	10.300	240	188		
	29	8.833	344	148		
	30	8.173	231	160		
	31	7.844	333	174		

	Sample Point	703		703		703		703		703	
	Description	Influent		Influent		Influent		Influent		Influent	
	Parameter	211		66		457		87		133	
	Description	Flow Rate		BOD5, Total		Suspended Solids, Total		Cadmium, Total Recoverable		Chromium, Total Recoverable	
	Units	MGD		mg/L		mg/L		ug/L		ug/L	
Summary Values	Monthly Avg	5.984225806		400.548387097		263.935483871		0		2.8	
	Daily Max	10.3		630		520		<0.3		2.8	
	Daily Max - Variable										
	Daily Min	4.255		231		148		<0.3		2.8	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD							0.3		1.3	
	LOQ							1		4.3	
	QC Exceedance	N		Y		N		N		N	
	Lab Certification			420004860		420004860		445023150		445023150	

	Sample Point	703	703	703	703	003
	Description	Influent	Influent	Influent	Influent	Effluent
	Parameter	147	264	315	553	211
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	ug/L	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	TOT DAILY
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	DAILY
Sample Results	Day 1	57.0	<3.5	5.3	76.0	6.661
	2					6.166
	3					6.000
	4					5.602
	5					5.652
	6					5.439
	7					5.377
	8					5.433
	9					5.637
	10					5.423
	11					5.131
	12					5.087
	13					5.073
	14					4.935
	15					5.264
	16					5.313
	17					5.597
	18					5.637
	19					5.546
	20					5.576
	21					5.296
	22					5.343
	23					5.195
	24					4.929
	25					4.255
	26					5.644
	27					9.150
	28					10.300
	29					8.833
	30					8.173
	31					7.844

	Sample Point	703		703		703		703		003	
	Description	Influent		Influent		Influent		Influent		Effluent	
	Parameter	147		264		315		553		211	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Flow Rate	
	Units	ug/L		ug/L		ug/L		ug/L		MGD	
Summary Values	Monthly Avg	57		0		5.3		76		5.984225806	
	Daily Max	57		<3.5		5.3		76		10.3	
	Daily Max - Variable										
	Daily Min	57		<3.5		5.3		76		4.255	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	Monthly Avg										
	Daily Max										
	Daily Max - Variable										
	Daily Min										
	Weekly Avg										
QA/QC Information	LOD	0.8		3.5		1.3		2.2			
	LOQ	2.7		12		4.3		7.3			
	QC Exceedance										
	Lab Certification	445023150		445023150		445023150		445023150			

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	66	457	377	388	388
	Description	BOD5, Total	Suspended Solids, Total	pH Field	Phosphorus, Total	Phosphorus, Total
	Units	mg/L	mg/L	mg/L	mg/L	lbs/month
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	GRAB	24 HR FLOW PROP	CALCULATED
	Frequency	DAILY	DAILY	DAILY	DAILY	MONTHLY
Sample Results	Day 1	6	6.8	7.0	0.31	
	2	9	10.6	7.5	0.41	
	3	8	11.1	7.1	0.38	
	4	6	11.2	6.9	0.46	
	5	7	11.0	7.0	0.47	
	6	6	10.8	7.0	0.47	
	7	7	10.8	7.0	0.51	
	8	9	10.0	7.2	0.45	
	9	8	9.0	7.1	0.41	
	10	11	10.3	6.9	0.44	
	11	7	10.4	6.8	0.47	
	12	10	13.4	7.1	0.51	
	13	7	13.2	6.9	0.50	
	14	7	8.2	7.0	0.43	
	15	7	10.8	6.5	0.53	
	16	8	11.0	6.9	0.36	
	17	9	13.0	7.1	0.42	
	18	7	10.6	6.9	0.46	
	19	6	9.8	7.0	0.37	
	20	7	7.8	7.0	0.33	
	21	6	8.0	7.0	0.35	
	22	6	7.8	7.0	0.30	
	23	7	8.6	7.0	0.21	
	24	6	6.3	7.0	0.29	
	25	6	6.7	6.9	0.33	
	26	6	8.8	6.9	0.25	
	27	6	6.8	6.9	0.27	
	28	5	7.6	6.9	0.21	
	29	6	7.6	6.9	0.21	
	30	5	7.6	6.9	0.20	
	31	5	5.8	6.9	0.23	575.17

	Sample Point	003		003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	66		457		377		388		388	
	Description	BOD5, Total		Suspended Solids, Total		pH Field		Phosphorus, Total		Phosphorus, Total	
	Units	mg/L		mg/L		mg/L		mg/L		lbs/month	
Summary Values	Monthly Avg	6.967741935		9.4		6.974193548		0.372258065		575.17	
	Daily Max	11		13.4		7.5		0.53		575.17	
	Daily Max - Variable										
	Daily Min	5		5.8		6.5		0.2		575.17	
	Week 1 Avg	7		10.328571429							
	Week 2 Avg	8.428571429		10.642857143							
	Week 3 Avg	7.142857143		10.142857143							
	Week 4 Avg	6		7.514285714							
Limit(s) in Effect	Monthly Avg	30	0	30	0			0.8	0		
	Daily Max					9	0				
	Daily Max - Variable										
	Daily Min					6	0				
	Weekly Avg	45	0	45	0						
QA/QC Information	LOD							0.019			
	LOQ							0.06			
	QC Exceedance	Y		N		N		N		N	
	Lab Certification	420004860		420004860				420004860			

	Sample Point	003	003	003	003	003
	Description	Effluent	Effluent	Effluent	Effluent	Effluent
	Parameter	789	320	87	133	147
	Description	Nitrogen, Ammonia (NH3-N) Total	Nitrogen, Ammonia Variable Limit	Cadmium, Total Recoverable	Chromium, Total Recoverable	Copper, Total Recoverable
	Units	mg/L	mg/L	ug/L	ug/L	ug/L
	Sample Type	24 HR FLOW PROP	SEE TABLE	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP
	Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1	0.09	>34	<0.3000	1.4000	18.0000
	2	0.07	>34			
	3	0.06	>34			
	4	0.05	>34			
	5	0.04	>34			
	6	0.05	>34			
	7	0.06	>34			
	8	0.04	>34			
	9	0.03	>34			
	10	0.04	>34			
	11	0.04	>34			
	12	0.07	>34			
	13	0.05	>34			
	14	0.05	>34			
	15	0.05	>34			
	16	0.20	>34			
	17	0.09	>34			
	18	0.07	>34			
	19	0.05	>34			
	20	0.06	>34			
	21	0.04	>34			
	22	0.05	>34			
	23	0.10	>34			
	24	0.10	>34			
	25	0.07	>34			
	26	0.05	>34			
	27	0.21	>34			
	28	0.08	>34			
	29	0.03	>34			
	30	0.04	>34			
	31	0.04	>34			

	Sample Point	003		003		003		003		003	
	Description	Effluent		Effluent		Effluent		Effluent		Effluent	
	Parameter	789		320		87		133		147	
	Description	Nitrogen, Ammonia (NH3-N) Total		Nitrogen, Ammonia Variable Limit		Cadmium, Total Recoverable		Chromium, Total Recoverable		Copper, Total Recoverable	
	Units	mg/L		mg/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0.066774194		>34		0		1.4		18	
	Daily Max	0.21		>34		<0.3		1.4		18	
	Daily Max - Variable	0.21									
	Daily Min	0.03		>34		<0.3		1.4		18	
	Week 1 Avg	0.06									
	Week 2 Avg	0.045714286									
	Week 3 Avg	0.08									
	Week 4 Avg	0.094285714									
Limit(s) in Effect	Monthly Avg	34	0								
	Daily Max										
	Daily Max - Variable	0	0								
	Daily Min										
	Weekly Avg	34	0								
QA/QC Information	LOD	0.03				0.3		1.3		0.8	
	LOQ	0.1				1		4.3		2.7	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	420004860				445023150		445023150		445023150	

	Sample Point	003	003	003	199
	Description	Effluent	Effluent	Effluent	In-Plant Blending
	Parameter	264	315	553	211
	Description	Lead, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Flow Rate
	Units	ug/L	ug/L	ug/L	MGD
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED
	Frequency	MONTHLY	MONTHLY	MONTHLY	PER OCCURRENCE
Sample Results	Day 1	<3.5000	4.8000	17.0000	0.00
	2				0.00
	3				0.00
	4				0.00
	5				0.00
	6				0.00
	7				0.00
	8				0.00
	9				0.00
	10				0.00
	11				0.00
	12				0.00
	13				0.00
	14				0.00
	15				0.00
	16				0.00
	17				0.00
	18				0.00
	19				0.00
	20				0.00
	21				0.00
	22				0.00
	23				0.00
	24				0.00
	25				0.00
	26				0.00
	27				0.00
	28				0.00
	29				0.00
	30				0.00
	31				0.00

	Sample Point	003		003		003		199	
	Description	Effluent		Effluent		Effluent		In-Plant Blending	
	Parameter	264		315		553		211	
	Description	Lead, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Flow Rate	
	Units	ug/L		ug/L		ug/L		MGD	
Summary Values	Monthly Avg	0		4.8		17		0	
	Daily Max	<3.5		4.8		17		0	
	Daily Max - Variable								
	Daily Min	<3.5		4.8		17		0	
	Week 1 Avg								
	Week 2 Avg								
	Week 3 Avg								
	Week 4 Avg								
Limit(s) in Effect	Monthly Avg								
	Daily Max								
	Daily Max - Variable								
	Daily Min								
	Weekly Avg								
QA/QC Information	LOD	3.5		1.3		2.2			
	LOQ	12		4.3		7.3			
	QC Exceedance	N		N		N		N	
	Lab Certification	445023150		445023150		445023150			

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

12-27-24 BOD GGA: The BOD GGA sample set up on 12/27/24 failed low. The result was 162.30 mg/L which was below the lowest acceptable limit of 167.5 mg/L. The associated blanks were in acceptable range and the meters were calibrated properly. The meter calibration was checked as well as the probe cap and barometer on all meters. The GGA was then re-checked on all DO meters yielding continued over depletion of the control. The next GGA set up on 12/29/24 was back within the acceptable depletion range.

Submitted by 73chev on 01/09/2025 7:53:45 AM